

Perform Welding Activities	s In Designated Hazardous	Location Risk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU OF TH PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New Project N			



				F	RISK MATRIX			
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation	
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the	
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang	
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP	
Risk Rating & Required Action:         4A       Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or hit er-level authorisation is required.         3H       Review and approve additional controls in prace and efficience. Proceed with caution; monitor conditions.         2M       Ensure all nominated controls are imprace and efficience. Proceed with caution; monitor conditions.         1L       Proceed, following standard operating procedurer wonitor and keep records.         Consequence Scale:							Notes on Hierarchy of Controls:         Remember to apply controls in the preferred order shown by the coloured pyramid:         1.       Eliminate         2.       Substitute         3.       Isolate         4.       Engineering         5.       Administrative         6.       PPE	
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat		Always document why a lower-order control is accepted if	
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	Significant regulator intervention; criminal prosecution Improvement notice; major media coverage		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at	
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Minor breach; adverse client comment		work (2023) and ISO 45001:2018 clauses 6–8.	
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance			
			no schedule		eviation caught and corrected on site			



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	Exposure to hazardous fumes, Insufficient lighting	ЗН	Proper ventilation systems to be installed and used. Conduct workplace lighting assessment and context deficiencies Use local exhaust ventilation where necessar. Provide adequate training about hazardous materia. Ensure emergency procedure are up-to-date an increasible. Supply appropriate PPE includes respirators and fact schedas Conduct awareness as about welding hazards Ensure all weiters are award of MSL of or metanals used Enforce coutins are quality monitoring Estable and make an an exclusion zone	2М
2. Equipment Inspection	Faulty equipment, Improvement	2	Perform agul equiple at maintenance checks Let ure all equiple and is tagged and tested Train presented on correct equipment handling a only certified equipment and tools Implement an equipment inspection checklist Have a qualified electrician inspect electrical connections Record all maintenance and repair activities Replace faulty equipment immediately Regularly review manufacturer guidelines Perform pre-operation equipment tests	1L
3. Area Isolation	Unauthorized access, Inadequate barrier placement	ЗH	Install proper signage indicating restricted areas Erect barriers and warning tapes around the work zone Assign a responsible person to control access Use security personnel if necessary Conduct drills for unauthorized access scenarios Regularly inspect barriers for integrity Document all incidents of unauthorized access Provide clear instructions on the importance of isolation	2M



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			Maintain a log of personnel entering the work area	
			Post emergency contacts conspicuously	
4. PPE Compliance Check	Improper PPE use, PPE not suited for the activity	2M		1L
5. Gas Cylinder Handling	Gas leaks, Impropulstorage	ЗН		2M
6. Pre-Start Safety Check	Overlooked safety hazards, Equipment malfunctions	ЗH		2M

Version 2.5

Review #



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7. Welding Process Monitoring	Accidental fire, Inadequate skill level	4A		2M
8. Post-Operation Equipment Care	Residual material u zarde se v v equipment deactival.	SW		1L
9. Waste Disposal	Improper waste segregation, Environmental contamination	ЗН		2М

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10. Site Cleanliness and Order	Trip hazards, Clutter accumulation	2М		1L
11. Emergency Response Drills	Inadequate procedure knowledge, Delayed emergency services response	ЗН		2M
12. Work Environment Assessment	Noise exposure, Poor air quality	ЗН		2M

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13. Welding Procedure Validation	Non-compliant welds, Material incompatibility	ЗН		2М
14. Communication Protocols	Miscommunication of hazards, Ambiguous instructions	ЗН		2M
15. Hot Work Permitting	Unauthorised hot work, Condition changes unaccounted for	4A		2М



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16. Incident Reporting	Unreported incidents, Incomplete incident analysis	ЗН		2M
17. Health Surveillance	Health deterioration, Undetected chronic exposure effects	ЗН		2М
18. Confined Space Entry	Oxygen deficiency, Entrapment	4A		2M

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19. Height Work Procedures	Fall risk, Equipment drop hazards	4A		2М
20. Documentation and Record Keeping	Incomplete records, Inaccessible documentation	ЗН		2M



#### **EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES**

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE RI	
	EPERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGIS	SLATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</u> Codes of Practice QLD: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</u> Legislation ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Orgapational Health and Safety Action 4 Occupational Health and Safety Action 4 Legis alon VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- gulat</u> Sulfas on vactice VIC <u>enttps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>
New South Wales           Work Health and Safety Act 2011           Work Health and Safety Regulations 2017           Legislation NSW: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislati">https://www.safework.nsw.gov.au/legal-obligations/legislati</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislati</a>	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2015 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/worplace-straws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formed-resourcestraws</u>	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legulation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/worf_aces/codes-of-practice#COPs</u>	Model Codes of Practice - Managing noise and preventing hearing loss at work - Confined spaces - Labelling of workplace hazardous chemicals - Managing risks of hazardous chemicals in the workplace - Welding processes
Tasmania         Work Health and Safety Act 2012         Work Health and Safety (Transitional and Consequential Provisions) Act 2012         Work Health and Safety Regulations 2012         Work Health and Safety (Transitional) Regulations 2012         Legislation for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> </ul>
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work - Any required documents.	<ul> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>